AUTHOR INDEX

Abraham, M. R.: See Renner, J. W.
Abu Bakar, K. H., Rubba, P. A., Tomera, A. N., and Zurub, A. R.: Jordanian and Malaysian Science Teachers' Prominent Perceived Professional Needs: A Comparison, 573

Birnie, H. H.: See Renner, J. W.
Blank, R. K.: Improving Research on Teacher Quality in Science and Mathematics: Report of a Symposium of Scientists, Educators, and Researchers, 217
Bonnstetter, R. J.: See Kyle, Jr., W. C.
Bonnstetter, R. J.: See Pedersen, J.
Browning, M. E. and Lehman, J. D.: Identification of Student Misconceptions in Genetics Problem Solving via Computer Program, 749

Cooke, B.: See Griffiths, A. K.
Corkill, A. J.: See Pedersen, J.
Crummey, L.: See Meyer, L. A.

Fensham, P. J.: See Gunstone, R. F.
Finegold, M. and Raphael, D.: Physics in Canadian Secondary Schools: Intentions, Perceptions, and Achievement, 293
Fisher, K. M. and Lipson, J. I.: Authors' Response to Ron Good, 159

Gadsden, Jr., T.: See Kyle, Jr., W. C.
Glover, J. A.: See Pedersen, J.
Golbeck, S. L.: Rejoinder to W. T. Griffith, 87
Golden, J.: See McCammon, S.
Good, R.: Analysis of Student Errors in Science, 157
Good, R.: See Lavoie, D. R.
Gorodetsky, M.: See Gussarsky, E.
Greer, E. A.: See Meyer, L. A.
Griffith, W. T.: Comment on Interpretation of Statistical Analysis Regarding Sex Differences in Spatial Knowledge, 85
Griffiths, A. K., Thomey, K., Cooke, B., and Normore, G.: Remediation of Student-Specific Misconceptions Relating to Three Science Concepts, 709
Gunstone, R. F., White, R. T., and Fensham, P. J.: Developments in Style and Purpose of Research on the Learning of Science, 513
Gussarsky, E. and Gorodetsky, M.: On the Chemical Equilibrium Concept: Constrained Word Associations and Perception, 317

Hackling, M. W. and Lawrence, J. A.: Expert and Novice Solutions of Genetic Pedigree Problems, 531
Hashweh, M.: Descriptive Studies of Students' Conceptions in Science, 121
Haury, D. L.: Evidence that Science Locus of Control Orientation Can Be Modified Through Instruction, 233
Heller, P., Padilla, M., Hertel, B., and Olstad, R.: Learning about Technology: Family vs. Peer Pairings, 1
Hertel, B.: See Heller, P.
Hidayat, E. M.: See Yager, R. E.

Jacks, T.: See Staver, J. R.
Jesunathadas, J.: See Saunders, W. L.
Jungwirth, E.: Comments on Wandersee's Article "Can the History of Science Help Science Educators Anticipate Students' Misconceptions?," 161

Koballa, Jr., T. R.: Persuading Girls to Take Elective Physical Science Courses in High School: Who Are the Credible Communicators?, 465
Koballa, Jr., T. R.: The Determinants of Female Junior High School Students' Intentions To Enroll in Elective Physical Science Courses in High School: Testing the Applicability of the Theory of Reasoned Action, 479
Krajcik, J.: See Yager, R. E.
Krajcik, J. S., Simmons, P. E., and Lunetta, V. N.: A Research Strategy for the Dynamic Study of Students' Concepts and Problem Solving Strategies Using Science Software, 147
Kyle, Jr., W. C. Bonnstetter, R. J., and Gadsden, Jr., T.: An Implementation Study: An Analysis of Elementary Students' and Teachers' Attitudes toward Science in Process-Approach Vs. Traditional Science Classes, 103

Lavoie, D. R. and Good, R.: The Nature and Use of Prediction Skills in a Biological Simulation, 333
Lawrenz, F. and McCreath, H.: Integrating Quantitative and Qualitative Evaluation Methods to Compare Two Teacher Inservice Training Programs, 395
Lawson, A. E.: See Mitchell, A.
Lawson, A. E.: The Acquisition of Biological Knowledge During Childhood: Cognitive Conflict or Tabula Rasa?, 185
Lawson, A. E. and Thompson, L. D.: Formal Reasoning Ability and Misconceptions Concerning Genetics and Natural Selection, 733
Lehman, J. D.: See Browning, M. E.
Lipson, J. I.: See Fisher, K. M.
Lunetta, V. N.: See Krajcik, J. S.

Maarschalk, J.: Scientific Literacy and Informal Science Teaching, 135

Marek, E. A.: See Simpson, W. D.
McCammon, S., Golden, J., and Wuensch, K. L.: Predicting Course Performance in Freshman and Sophomore Physics Courses: Women Are More Predictable than Men, 501
McCreath, H.: See Lawrenz, F.
McIntosh, W. J. and Zeidler, D. L.: Teachers' Conceptions of the Contemporary Goals of Science Education, 93
Menis, J. H.: Student Perceptions on the Conditions of Learning the Proportion Concept in Canadian Upper Secondary Science (Physics, Chemistry, Biology) Classes; Results from the Second International Science Study (S.I.S.S.) in Canada, 225
Meyer, L. A., Crummey, L., and Greer, E. A.: Elementary Science Textbooks: Their Contents, Text Characteristics, and Comprehensibility, 435
Mintzes, J. J.: See Trowbridge, J. E.
Mitchell, A. and Lawson, A. E.: Predicting Genetics Achievement in Nonmajors College Biology, 23
Mohapatra, J. K.: Induced Incorrect Generalizations Leading to Misconceptions—An Exploratory Investigation About the Laws of Reflection of Light, 779

Normore, G.: See Griffiths, A. K.

Olarewaju, A. O.: Instructional Objectives: What Effects Do They Have on Students' Attitudes Towards Integrated Science?, 283
Olstad, R.: See Heller, P.

Padilla, M.: See Heller, P.
Pedersen, J., Bonnstetter, R. J., Corkill, A. J., and Glover, J. A.: Learning Chemistry from Text: The Effect of Decision Making, 15
Peltzer, A.: The Intellectual Factors Believed by Physicists to Be Most Important to Physics Students, 721
Penick, J. E.: See Yager, R. E.
Penick, J. E.: See Yager, R. E.

Qi, C.: Computer Education in Secondary Schools in the People's Republic of China, 493

Raphael, D.: See Finegold, M.
Renner, J. W., Abraham, M. R., and Birnie, H. H.: The Necessity of Each Phase of the Learning Cycle in Teaching High School Physics, 39
Rubba, P. A.: See Abu Bakar, K. H.

Saunders, W. L. and Jesunathadas, J.: The Effect of Task Content upon Proportional Reasoning, 59
Scharmann, L. C.: The Influences of Sequenced Instructional Strategy and Locus of Control on Preservice Elementary Teachers' Understanding of the Nature of Science, 589
Simmons, P. E.: See Krajcik, J. S.
Simpson, W. D. and Marek, E. A.: Understandings and Misconceptions of Biology Concepts Held by Students Attending Small High Schools and Students Attending Large High Schools, 359
Smith, M. U.: Successful and Unsuccessful Problem Solving in Classical Genetic Pedigrees, 411
Snider, B.: See Yager, R. E.
Staver, J. R. and Jacks, T.: The Influence of Cognitive Reasoning Level, Cognitive Restructuring Ability, Disembedding Ability, Working Memory Capacity, and Prior Knowledge on Students' Performance on Balancing Equations by Inspection, 765

Tamir, P.: The Relationship Between Cognitive Preferences, Student Background and Achievement in Science, 201
Thomey, K.: See Griffiths, A. K.
Thompson, L. D.: See Lawson, A. E.
Tomera, A. N.: See Abu Bakar, K. H.
Trowbridge, J. E. and Mintzes, J. J.: Alternative Conceptions in Animal Classification: A Cross-Age Study, 547

Wandersee, J. H.: Author's Response to Ehud Jungwirth, 163
Wandersee, J. H.: Ways Students Read Texts, 69
White, R. T.: See Gunstone, R. F.
Winn, B.: Recall of the Pattern, Sequence, and Names of Concepts Presented in Instructional Diagrams, 373
Wuensch, K. L.: See McCammon, S.

Yager, R. E., Hidayat, E. M., and Penick, J. E.: Features Which Separate Least Effective from Most Effective Science Teachers, 165
Yager, R. E. and Penick, J. E.: Changes in Perceived Attitudes Toward the Goals for Science Instruction in Schools, 179
Yager, R. E., Snider, B., and Krajcik, J.: Relative Success in College Chemistry for Students Who Experienced a High-School Course in Chemistry and Those Who Had Not, 385
Yap, K. C. and Yeany, R. H.: Validation of Hierarchical Relationships Among Piagetian Cognitive Modes and Integrated Science Process Skills for Different Cognitive Reasoning Levels, 247
Yeany, R. H.: See Yap, K. C.

Zeidler, D. L.: See McIntosh, W. J.
Zurub, A. R.: See Abu Bakar, K. H.